

FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

Location Map Pinned

✓

Card Indexed

✓

I W 2 for State or Fee Land

Checked by Chief

CHB

Copy NID to Field Office

✓

Approval Letter

2-25-63

Disapproval Letter

COMPLETION DATA:

Date Well Completed 3-31-63

Location Inspected

OW _____ WW _____ TA _____

Bond released

GW _____ OS _____ PA ☒

State of Fee Land

LOGS FILED

Driller's Log 4-8-63

Election Logs (No.) 3

E _____ I _____ E-I ☒ GR _____ GR-N _____ Micro ☒

Let _____ M-L _____ Sonic-GR ☒ Others _____

Subsequent Report of Handover

(SUBMIT IN TRIPLICATE)

Form approved.
Budget Bureau No. 42-R359.4.
Indian Agency NAVAJO

0		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. _____

14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	XX	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

FEBRUARY 19, 1963

NAVAJO

Well No. 78-1 is located 1980 ft. from XX line and 660 ft. from XX line of sec. 23

C NW

SW 1/4, SECTION 23 T-41-S R-23-E S.L.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
WILDCAT Ratherford SAN JUAN UTAH
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4633 ft. g.l.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROPOSE TO:

Set 300' of 13 3/8" surface casing and cement to surface.
Run 8 5/8" intermediate casing to approximately 1475' and cement with 500 sacks if water flow is encountered.
Drill 7 7/8" hole to approximate total depth of 5725' or through the Desert Creek formation.
Run 4 1/2" casing to total depth and cement with 200 sacks of cement.
Perforate Ismay and Desert Creek formations.
Acidize perforations and run 2 3/8" tubing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL AND GAS COMPANY

Address P. O. DRAWER 570

FARMINGTON, NEW MEXICO

By Joe C. Salmon
JOE C. SALMON

Title DISTRICT SUPERINTENDENT

COMPANY Aztec Oil & Gas Company

Well Name & No. Navajo 78-1

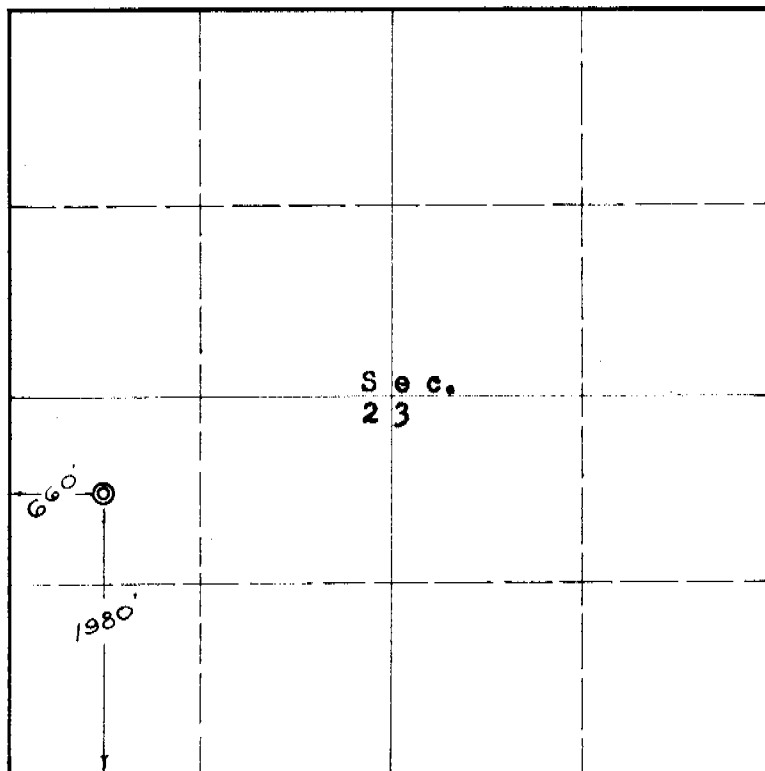
Lease No. _____

Location 1980 feet from the South line and 660 feet from the West line.

Being in NW $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 23, T. 41 S., R. 23 E., N.M.P.M., Salt Lake Meridian, San Juan County, Utah.

Ground Elevation 4633, ungraded



Surveyed February 17, 1963

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Farmington, New Mexico

Ernest V. Echohawk

Ernest V. Echohawk

Registered Land Surveyor

N. M. Reg. #1545

Utah Reg. No. 2611

February 25, 1963

Astec Oil and Gas Company
P. O. Drawer 570
Farmington, New Mexico

Attn: Joe C. Salmon,
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo #78-1, which is to be located 1980 feet from the south line and 660 feet from the west line of Section 23, Township 41 South, Range 23 East, SLPM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE DIRECTOR

CBF:cp

cc: P. T. McGrath, Dist. Eng.
USGS - Farmington, New Mexico

H. L. Coonts, Pet. Eng.
OGCC - Moab, Utah

(SUBMIT IN TRIPPLICATE)

Form approved.
Budget Bureau No. 42 R359.4.

Indian Agency NAVAJO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee

Lease No. 14-20-603-247

0			

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MARCH 7, 1963

Well No. 78-1 is located 1980 ft. from XX line and 660 ft. from XX line of sec. 23

SW 1/4, SECTION 23 T-41-S R-23-E S.L.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

WILDCAT SAN JUAN UTAH
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4633 ft. g.l.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well was spudded 3/6/63

Ran 10 jts., 299' of 13 3/8" casing.
Landed at 312'. Cemented with 280 sx.
Tested casing w/500# pressure for 30 minutes. No leaks.
Drilled cement 3/7/63
Tested with 500# pressure for 30 minutes.
No drop in pressure.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL AND GAS COMPANY

Address P. O. DRAWER 570

FARMINGTON, NEW MEXICO

By Joe C. Salmon
JOE C. SALMON

Title DISTRICT SUPERINTENDENT

(SUBMIT IN TRIPLICATE)

Indian Agency _____

NAVAJO

Allottee _____

Lease No. **14-20-603-247**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	XX		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 1, 19**63**

Well No. **NAVAJO 78-1** is located **1900** ft. from **SW** line and **660** ft. from **W** line of sec. **23**

SW 1/4 SECTION 23 (1/4 Sec. and Sec. No.) **T-11-S** (Twp.) **R-23-E** (Range) **S.1-P.M.** (Meridian)
WILDCAT (Field) **SAN JUAN** (County or Subdivision) **UTAH** (State or Territory)

The elevation of the derrick floor above sea level is **4633** ft. **S.L.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROPOSE TO:

Plug and abandon as follows:

Spot plugs from 5950-5850 with 30 sacks
4650-4550 with 30 sacks
3850-3100 with 40 sacks
1500-1400 with 30 sacks

and from 50' - surface with 15 sacks

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **ALTEC OIL AND GAS COMPANY**

Address **P. O. DRAWER 570**

PARRINGTON, NEW MEXICO

By **JOE C. SALMON**

Title **DISTRICT SUPERINTENDENT**

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Allottee _____
Lease No. 14-80-603-847

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 1, 1963

Well No. 78-1 is located 1980 ft. from XX line and 660 ft. from XX line of sec. 21

SW 1/4 SECTION 21
(1/4 Sec. and Sec. No.)

T-1-N
(Twp.)

R-21-E
(Range)

S. 100 P. M.
(Meridian)

WILDCAT
(Field)

SAN JUAN
(County or Subdivision)

UTAH
(State or Territory)

The elevation of the derrick floor above sea level is 4633 ft. S.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

The above well was plugged and abandoned as follows:

Cement plugs spotted from-

5950-5850 with 30 sacks, 4650-4550 with 30 sacks, 3250-3100 with 30 sacks,
1500-1400 with 30 sacks and from 50' to surface with 15 sacks.

Appropriate dry hole marker located above ground level embedded in surface cement.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company ASTEC OIL AND GAS COMPANY

Address P. O. DRAWER 570

FARMINGTON, NEW MEXICO

By JOE C. SALMON

Title DISTRICT SUPERINTENDENT

SUPERIOR OIL

February 9, 1984

**DIVISION OF
OIL, GAS & MINING**

Hal Balthrop
State of Utah
Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: Well Names
White Mesa/Gothic Mesa Units
San Juan County, Utah

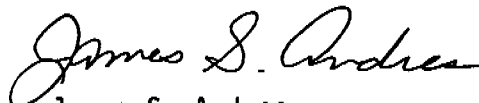
Dear Sir:

Superior Oil Company has recently purchased Southland Royalty's interest in the White Mesa and Gothic Mesa Units and as of February 1, 1984 has taken over as operator. As operator we are in the process of establishing a standard for naming future wells to be drilled. In order for this system to be consistent existing well names will need to be changed. It is proposed that a system be implemented where by a well is named according to the section and 1/4-1/4 section in which the well lies.

Unless additional information is required Superior Oil will begin using the well names as cross referenced on the following attachments one week from the above date.

Sincerely,

SUPERIOR OIL COMPANY



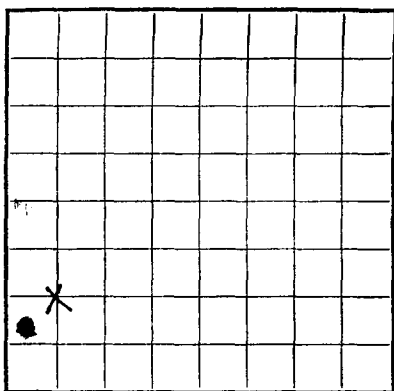
James S. Andres
Engineer

JSA/lh
Attach.

✓
PROPOSED WELL NAMES GOTHIC MESA

GOTHIC

Navajo 58A-1	7-41
Navajo 58A-2	6-34
Navajo 58A-3	5-14
Navajo 58A-4	7-21
Navajo 58B-2	8-42
Navajo 58B-3	8-12
Navajo 58B-4	8-33
Navajo 58B-5	8-44
Navajo 58B-6	6-23
Navajo 58B-7	7-32
Navajo 58C-1	5-22
Navajo 59-1	17-31
Navajo 59-2	17-42
Navajo 67-1	9-44
Navajo 67-2	9-13
- Navajo 67-3	9-22
Navajo 67-4	9-24
Navajo 68-1	16-11
Navajo 68-2	16-22
Navajo 68-3	16-33
Navajo 68-4	16-44
Navajo 68-5	16-13
Navajo 68-6	16-24
- Navajo 78-1	23-13
- Navajo 117-1A	8-41



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company AZTEC OIL AND GAS COMPANY Address P. O. DRAWER 570 - FARMINGTON, N.M.
Lessor or Tract NAVAJO 78 Field WILDCAT State UTAH
Well No. 1 Sec. 23 T. 41S R. 23E Meridian S. L. P. M. County SAN JUAN
Location 1920 ft. N of 8 Line and 660 ft. E of W Line of SECTION 23 Elevation 4633 s.l.
(Derrick floor relative to 100 ft. level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date April 4, 1963 Title DISTRICT SUPERINTENDENT

The summary on this page is for the condition of the well at above date.

Commenced drilling ~~March 6~~-----, 19-~~63~~ Finished drilling ~~March 30~~-----, 19-~~63~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3 3/8	312	280	Displacement		
8 5/8	1439	200	No Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
-------------------	------

FOLD | MARK

13 3/8	312	280	Displacement
8 5/8	1439	200	No Plug

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

[illegible]

Rotary tools were used from 0 feet to 6451 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

-----, 19-----	Put to producing -----, 19-----
The production for the first 24 hours was -----	barrels of fluid of which -----% was oil; -----%
emulsion; -----% water; and -----% sediment.	Gravity, °Bé. -----
If gas well, cu. ft. per 24 hours -----	Gallons gasoline per 1,000 cu. ft. of gas -----
Rock pressure, lbs. per sq. in. -----	

_____, Driller _____, Driller
_____, Driller _____, Driller

FROM—	TO—	TOTAL FEET	FORMATION
0	1439	1439	Surface
1439	1767	328	Line, Shale & Sand
1767	2250	483	Sand & Shale
2250	2633	383	Sand & Shale
2633	2910	277	Line & Sand
2910	3168	258	Sand & Shale
3168	3345	177	Line, Shale & Anhydrite
3345	3497	152	Line & Shale
3497	3660	163	Line & Shale
3660	3840	180	Line & Shale
3840	4018	178	Line & Shale
4018	4126	108	Line & Shale
4126	4233	107	Line & Shale
4233	4417	184	Line & Shale
4417	4518	101	Line & Shale
4518	4584	66	Line & Shale
4584	4615	31	Line & Shale
4615	4685	70	Sand, Shale & Line
4685	4763	78	Sand, Shale & Line
4763	4787	24	Hard Sharp Sand
4787	4860	33	Sand & Shale
4860	4950	90	Sand & Shale
4950	5057	107	Shale
5057	5117	60	Sand & Shale
5117	5198	81	Hard, Line & Chart

LOG TOPS

2230

2587

3342

4614

5917

6075

16-43094-5

FORMATION RECORD—Continued

114 6 1952

FROM—	TO—	TOTAL FEET	FORMATION
5198	5265	67	Sand, Lime & Chert
5265	5327	62	Sand & Shale
5327	5425	98	Shale
5425	5500	75	Shale & Lime
5500	5599	99	Sand, Shale & Lime
5599	5657	58	Shale, Lime & Chert
5657	5730	73	Shale & Lime
5730	5800	70	Lime & Chert
5800	5854	54	Lime & Chert
5854	5912	58	Lime, Shale & Chert
5912	5973	61	Lime, Shale & Chert
5973	6012	39	Lime & Chert
6012	6052	40	Lime, Chert & Shale
6052	6090	38	Lime, Chert & Shale
6090	6140	50	Sandy Lime
6140	6206	66	Lime & Shale
6206	6297	91	Lime & Shale
6297	6350	53	Lime & Shale
6350	6425	66	Lime & Shale
6425	6451	26	Lime & Shale
6451			Total Depth